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Rice Situation

Economic Research
Service

U.S. Department of
Agriculture

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TABLE 1.--ROUGH-RICE AND MILLED RICE (ROUGH EQUIVALENT): MARKETING YEAR SUPPLY, DISAPPEARANCE, ACPEASE AND PRICES, 1972-77 1/*

YEAR BEGINNING AUG. 1	SUPPLY				DISAPPEARANCE				STOCKS						
	BEGINNING	PRODUCTION	IMPORTS	IM-PORTS	TOTAL	DOMESTIC USE	EXPORTS	TOTAL	DISAPPEARANCE	STOCKS	ENDING				
1972/73	11.4	85.4	0.5	97.4	19.9	0.2	5.0	25.1	7.7	3.0	35.7	54.0	89.0	2.5	51.1
	5.1	92.8	0.2	98.1	22.0	0.2	3.8	26.1	8.1	3.6	37.8	49.7	87.5	2.7	7.8
1974/75	7.8	112.4	3/	120.3	22.4	0.2	6.0	28.6	8.4	4.0	41.0	60.5	110.5	2.7	7.1
1975/76	7.1	128.0	3/	135.1	21.6	0.2	5.9	27.7	9.1	3.4	40.2	56.5	95.7	1.5	35.9
1976/77 4/	36.9	117.0	3/	153.9	22.6	0.2	6.4	29.2	10.3	3.3	42.8	65.6	108.4	5.8	39.7
1977/78 5/	39.7	100.2	---	139.9				30.0	12.0	3.3	45.3	64.7	110.0		29.9
	(+,-4)										(+,-2)	(+,-5)	(+,-5)		(+,-7)
MILLION CWT.															
AVERAGE PRICES															
PRICE SUPPORT OPERATIONS															
GOVT.															
FARM, HOUSTON, MILLED RICE															
ROUGH RICE: LONG GRAIN: MEDIUM GRAIN: PARITY: TARGET: NATIONAL															
ALLOTMENT: PLANTED: HARVESTED: HARVESTED: ACRE: YIELD PER ACRE: FARM, HOUSTON, MILLED RICE: PARITY: TARGET: NATIONAL															
MILLION ACRES: --- LBS. --- DOLLARS PER CWT. ---															
1972/73	1.8	1.8	1.8	1.8	4,700	6.73	14.45	13.55	8.10	---	---	---	---	---	5.27
1973/74	2.2	2.2	2.2	2.2	4,274	13.80	31.75	27.40	9.33	---	---	---	---	---	6.07
1974/75	2.1	2.6	2.5	2.5	4,432	11.20	22.05	19.90	11.60	---	---	---	---	---	7.54
1975/76	1.8	2.8	2.8	2.8	4,567	8.34	18.35	17.35	13.10	---	---	---	---	---	8.52
1976/77 4/	1.8	2.5	2.5	2.5	4,679	6.63	14.95	14.10	13.60	---	---	---	---	---	6.19
1977/78 5/	1.8	2.2	2.2	2.2	4,552	7.00-8.00			14.00	---	---	---	---	---	6.19

1/ CONSOLIDATED SUPPLY AND DISAPPEARANCE OF ROUGH AND MILLED RICE. CONVERTED MILLED RICE DATA TO A ROUGH RICE BASIS USING ANNUALLY DERIVED EXTRACTION RATES AS FACTORS. 2/ RESULTS FROM STORAGE, HANDLING AND PROCESSING LOSSES, AND CONVERTING MILLED TO A ROUGH EQUIVALENT. 3/ LESS THAN 50,000 CWT. 4/ PRELIMINARY. 5/ PROJECTED. *TOTALS MAY NOT ADD DUE TO INDEPENDENT ROUNDING.

THE RICE SITUATION

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Approved by
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The *Rice Situation* will be published in early 1978.

SUMMARY

U.S. 1977/78 Rice Supply Smaller; Prices Higher

The 1977/78 U.S. rice marketing year kicked off with a smaller supply, larger export sales, stronger prices, and the prospect of some reduction in carry-over stocks.

Stocks at the start of the 1977/78 season were up 8 percent from the year-ago record; however, nearly half were inventories of the Commodity Credit Corporation (CCC). Reduced plantings and less favorable growing conditions cut the prospective 1977 U.S. rice crop to 100 million cwt.—around 15 percent less than 1976's level. Chances are 2 out of 3 that the final outcome will not differ from the September 1 forecast by more than 4 million cwt. Thus, this year's total supply is about 14 million cwt. less than last year's record level.

Domestic use in 1977/78 is likely to rise modestly in line with the upward trends for food and brewers' use. Because of smaller crops in some major producing countries and continued expansion in world rice consumption, both commercial and PL 480 exports may run near last season's high level. Early season export commitments, which include some carryover sales from 1976/77, are well ahead of the pace of recent years.

Total U.S. disappearance is likely to be larger than this year's harvest, so stocks at year's end would decline for the first time since 1974/75. These developments and very strong early season foreign demand have lifted prices well above year-ago levels. Prices may ease as harvest nears completion, but likely will average 10 to 20 percent above the \$6.63 per cwt. estimated for 1976/77. Still, with the 1977/78 target price set at \$8.25 per cwt., deficiency payments on allotment production will likely be made for the second straight year.

New rice legislation that will apply to the 1978-81 crops if it is signed into law is part of the Food and Agriculture Act of 1977. Many of the program provisions are similar in nature to those found in the 1975 Rice Act.

OUTLOOK FOR 1977/78

Reduced Acreage and Yields Cut U.S. Rice Crop

As of September 1, the 1977 rice crop was estimated at 100 million cwt., 14 percent less than last year and 22 percent below the 1975's record crop (table 5). This crop estimate is a good indication of final production. Chances are 2 out of 3 that the final outcome will not differ by more than 4 million cwt. Most of the reduction was attributed to fewer acres for harvest; however, yields were also slightly lower. Low rice prices and short water supplies in California caused growers to reduce acreage 12 percent. California, Louisiana, and Mis-

issippi showed the largest cutbacks of 18, 16, and 28 percent, respectively. Many southern rice producers shifted to soybeans.

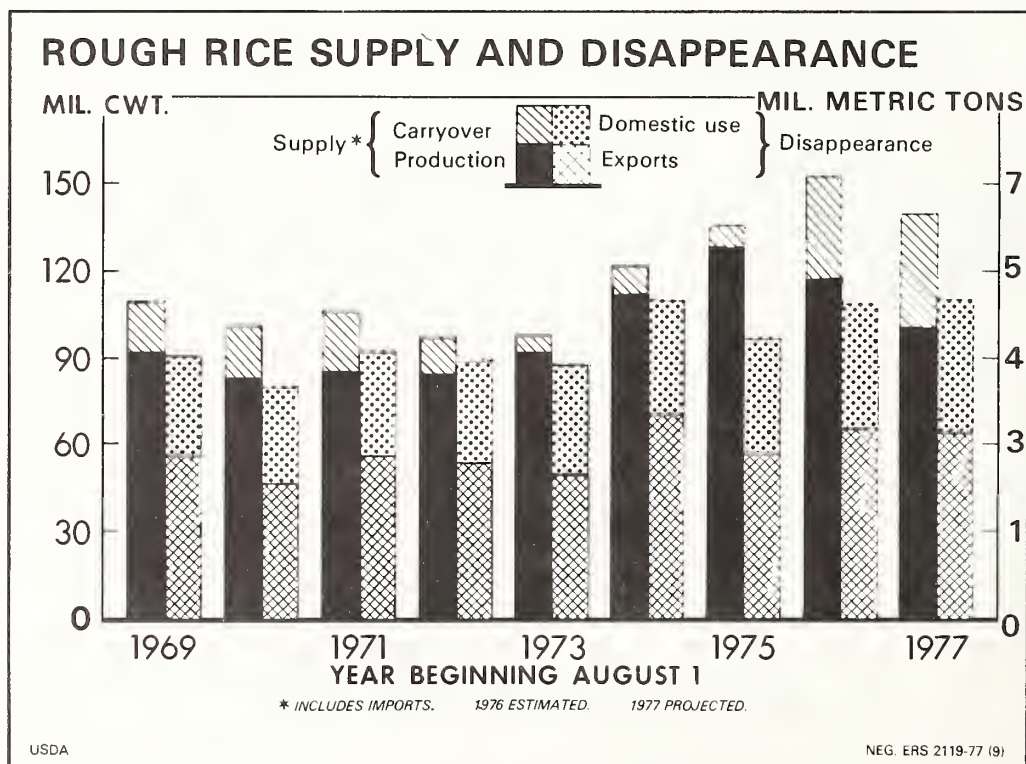
Long grain rice plantings this year were 10 percent below the 1976 level. Long grain acreage in Arkansas and Texas, which accounts for 80 percent of the total, was down 6 percent, while Louisiana and Mississippi showed much sharper declines. Total medium grain plantings were down 26 percent, with Louisiana and California cutting 14 percent and 49 percent, respectively. However, short grain acreage increased a third from a year ago. California producers anticipated a very short water supply and shifted from medium to short grain to assure sufficient supplies for their short grain markets.

The 1977 rice crop was planted under good conditions and progressed well during the season except for poor early season growing conditions in California. The average U.S. yield is indicated at about 4,550 pounds per acre, 3 percent under last year. Yields in California, Texas, and Louisiana are expected to decline over 200 pounds per acre from last year. Harvesting progressed ahead of normal in the South, but heavy rains caused some lodging in Arkansas and Louisiana. The California harvest moved into full swing in late September.

Rice production

State	1974	1975	1976 ¹	1977 ²
<i>Million cwt.</i>				
Arkansas	32.9	40.0	40.4	37.4
California	25.1	30.4	23.4	18.5
Louisiana	24.1	25.1	22.2	17.7
Mississippi	4.5	6.7	6.0	4.5
Missouri5	.8	.6	.6
Texas	25.3	25.0	24.4	21.5
U.S. total	112.4	128.0	117.0	100.2

¹ Preliminary. ² Indicated as of September 1.



Rice carryover by class August 1, 1976 and 1977¹

Class	Rough		Milled ²		Total	
	1976	1977	1976	1977	1976	1977
<i>Million cwt.</i>						
Long	14.3	12.3	1.9	3.2	16.2	15.5
Medium	13.6	17.3	3.4	3.3	17.0	20.5
Short	3.5	2.9	0.2	0.7	3.7	3.7
Total	31.4	32.5	5.5	7.2	36.9	39.7

¹ Totals may not add across due to rounding. ² Rough equivalent.

Stocks Remain at Record Levels

Even though 1976 rice production was off 9 percent and disappearance in 1976/77 increased 12 percent, August 1 carryover stocks, at 40 million cwt. (rough equivalent), increased 8 percent to another record. Milled stocks, up a third larger from last year, were unusually large because of unfilled export commitments and anticipated sales. Medium grain rough stocks jumped about a third from last August's level while long and short grain stocks declined moderately.

Exports drew heavily on the large 1976/77 long grain supplies. The combined stocks in Arkansas and Texas (major long grain producers) were reduced from a year earlier, while California stocks (mostly medium grain) were at an all-time high.

CCC Stocks by Class and State as of August 1, 1977

State	Long	Medium	Short	Total ¹
<i>1,000 cwt.</i>				
Arkansas	878	283	---	1,161
Louisiana	545	3,572	69	4,186
Mississippi	144	91	---	235
Missouri	4	---	---	4
California	---	3,448	584	4,032
Texas	6,243	2,749	---	8,992
U.S. total	7,814	10,143	653	18,610

¹ Preliminary.

Source: ASCS.

The CCC inventories still total about 19 million cwt., nearly all from the 1975 crop. Over 23 million cwt. of the 1976 rice crop was placed under loan during 1976/77, but with prices near the end of last season well above loan levels, there was virtually no CCC takeover. The CCC resale policy in 1976/77 was 115 percent of the \$8.25 target price plus carrying charges. While the 1977/78 resale policy has not been announced, large inventories are still expected to be carried through the year. A small amount of the 1976 crop (65,000 cwt.) was placed under the extended loan reserve program announced last April.

Despite larger carryin rice stocks, the smaller 1977 crop will reduce beginning supplies for the first time in 4 years. This supply situation, coupled with a sustained large demand, should lead to improved prices in 1977/78.

Domestic Use May Show Further Gains

A moderate increase in food use is expected to continue, mainly because of the uptrend in consumption and the fact that rice is still a relatively good buy compared to competing foods.

Brewers' use in 1976/77 showed a healthy 13-percent increase as brewers' rice prices were well under corn grits, the major competing ingredient. If this relationship holds and beer sales continue to increase, 1977/78 brewers' use will likely continue to climb at about the same rate (table 13).

U.S. Milled rice exports to leading countries, August-July 1976/77 with comparisons

Country	1974/75	1975/76	1976/77 Preliminary
<i>1,000 metric tons</i>			
Korea, Republic of	499	180	75
Iran	451	163	457
Bangladesh	295	241	21
Cambodia	175	---	---
Iraq	110	81	37
Saudi Arabia	72	132	72
Canada	61	74	74
South Africa, Rep. of ..	65	95	96
EC-9	129	233	220
Indonesia	42	42	409
Nigeria	3	16	131

Another Strong Export Year Likely in 1977/78

Continued expansion in world rice consumption provides the base for another strong export year even though 1977/78 world rice production is expected to be close to record large. U.S. rice exports of 65.6 million cwt. in 1976/77 (rough basis) were up 16 percent and this season's exports may continue at that level. Since most of the Asian crop is still to be harvested and Southern Hemisphere crops are just being planted, weather could easily alter the export picture. Other factors, such as abundant world wheat supplies and low world prices of other grains, may also influence 1977/78 U.S. export volumes.

Exports this season are off to a fast start, with commitments (shipments plus outstanding sales) as of September 18 totaling above 800,000 metric tons (milled), well above recent years. Sales of about 115,000 tons were carried over from 1976/77. This early surge in commitments is due to a strong commercial export demand for quality rice. Iran, Saudia Arabia, Nigeria, and the European Community have been substantial buyers, while most of

the PL-480 carryover sales are going to Bangladesh and Indonesia.

The pattern of 1976/77 U.S. exports by country of destination changed markedly. Because of successively good crops, shipments to India, Bangladesh, and Korea were down considerably. Increased shipments to Syria, Sri Lanka, Tanzania, Senegal and Portugal, while largely PL-480 sales, can be traced to smaller domestic production. Nigeria and Iran sharply accelerated their commercial purchases.

Rice Prices Continue to Strengthen

Farm prices began to strengthen in the last half of 1976/77 and by last March were above year-earlier levels. This has generally held true right into the 1977/78 marketing year with early season prices running well above year-earlier levels.

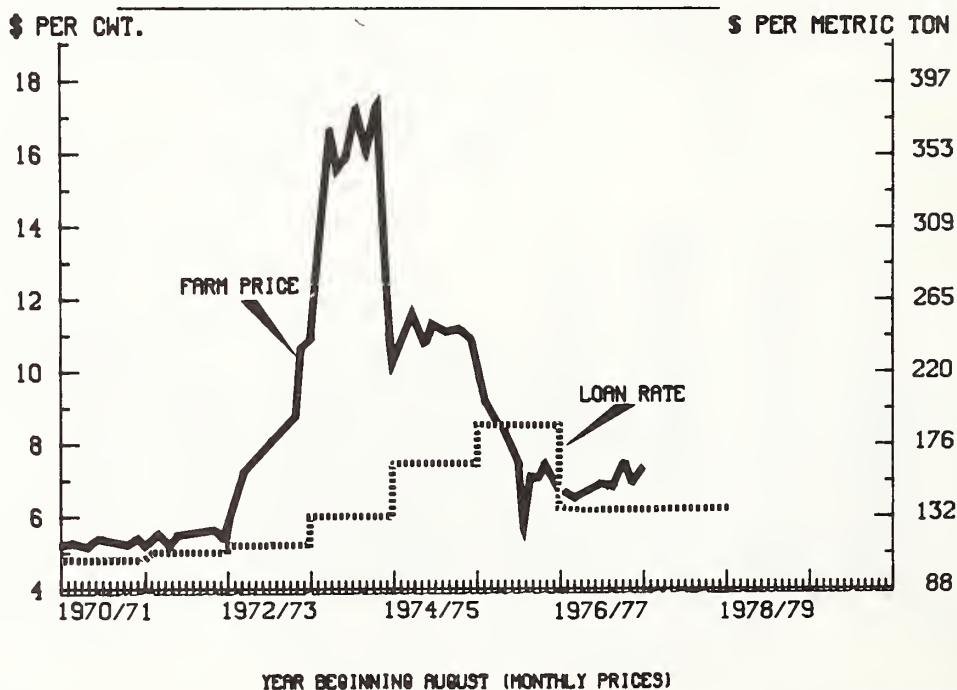
Continued strong rice export prospects, and the drawdown in 1977/78 ending stocks, will bolster farm prices throughout the year. However, some easing may occur as the U.S. harvest concludes

and world crops are harvested. The season average farm price is expected to be between \$7.00 and \$8.00 per cwt. The national weighted average price during the first five months of the marketing year (August-December) is expected to be below the target price of \$8.25 per cwt. If so, deficiency payments to growers would be due again but would be considerably smaller than last year's \$1.70 per cwt.

Retail Prices Steady

Retail rice prices have stabilized over the last several months. While short grain prices have hovered around the 35-cent mark, long grain prices have averaged around 40 cents per pound for the last six months. This compares with 1974's highs of 44 and 52 cents, respectively. Although farm-retail spreads have declined about 4 cents a pound from a year ago, they are still double the levels of 4 or 5 years ago. Retail prices are likely to rise moderately during the remainder of 1977 with strengthened farm prices and higher processing and distribution costs.

ROUGH RICE FARM PRICES AND LOAN RATES



USDA

NEG.ERS 408-77 (9)

Rough rice: Average weekly prices received by farmers in Louisiana, 1976 and 1977

Week ending	Long grain		Medium grain	
	1976	1977	1976	1977
<i>Dollars per hundredweight</i>				
August 12.....	NA	7.95	NA	8.02
19.....	6.27	8.37	6.04	8.02
26.....	6.48	8.19	6.30	8.09
September 2....	6.37	8.34	6.43	8.15
9....	6.32	8.20	6.52	8.01
16....	6.79	8.44	6.56	8.11

Source: Rice Market News Service, AMS, Baton Rouge, La.

NA - Not available.

1976/77 Statistical Discrepancy Larger Than Usual

Preliminary supply and use estimates for the 1976/77 crop year indicate a statistical discrepancy of nearly 6 million cwt., which is considerably higher than previous years (table 1). This discrepancy is a residual calculation which takes into account all items of supply and use. It reflects statistical or estimating errors in converting milled to a rough equivalent and losses in storage, handling, and processing. While most often these differences are offsetting (a negative error cancelling a positive error), there is a chance for discrepancies to fall in the same direction and thus accumulate.

NEW RICE LEGISLATION

The legislative authority of the Rice Production Act of 1975 concludes with the 1977 rice crop. New rice legislation is included in Title VII of the "Food and Agriculture Act of 1977."

While provisions of the new legislation are similar to the 1975 Rice Production Act, there are exceptions:

- The target price and the loan rate will be adjusted annually by changes in the variable, machinery, and overhead costs of producing rice. Under the 1975 Act they were adjusted by the index of prices paid for production items, interest, taxes, and wage rates, and changes in average yields.
- The loan rate will bear the same relation to the previous year's loan rate as the target

price bears to the previous year's target price. However, the loan rate may be adjusted downward in order to improve the competitive position of U.S. rice in world markets but not below \$6.31/cwt.

- Disaster payments for 1978/79 will be made on allotment acreage on any shortfall below 75 percent of normal yield at the rate of 1/3 of the target price. Prevented planting payments also will be based on 1/3 of the target price.

The bill provides for a minimum national allotment of 1.8 million acres, apportioned on the basis of 1975 farm allotments. Producers are not restricted on the acreage planted; they receive program benefits—loan and target price—only on

Rice, long grain: Prices, value and farmer's share of retail price, by quarters, 1967-77

Year	Retail Price				Net Farm values ¹				Farm-retail spread				Farmer's share			
	Jan.- Mar.	Apr.- June	July- Sept.	Oct.- Dec.	Jan.- Mar.	Apr.- June	July- Sept.	Oct.- Dec.	Jan.- Mar.	Apr.- June	July- Sept.	Oct.- Dec.	Jan.- Mar.	Apr.- June	July- Sept.	Oct.- Dec.
	<i>Cents per lb.</i>				<i>Cents per lb.</i>				<i>Cents per lb.</i>				<i>Percent</i>			
1967	21.8	21.9	21.9	22.0	7.5	7.5	7.0	7.4	14.3	14.4	14.9	14.6	34	34	32	34
1968	22.0	22.1	22.1	22.1	7.7	7.8	7.4	7.3	14.3	14.3	14.7	14.8	35	35	33	33
1969	22.3	22.4	22.5	22.6	6.9	7.0	6.7	7.2	15.4	15.4	15.8	15.4	31	31	30	32
1970	22.9	23.2	23.1	23.3	7.2	7.3	7.2	7.4	15.7	15.9	15.9	15.9	31	31	31	32
1971	23.6	23.8	24.0	24.0	7.8	7.7	7.7	7.7	15.8	16.1	16.3	16.3	33	32	32	32
1972	24.1	24.0	23.9	24.0	8.1	8.0	8.2	10.6	16.0	16.0	15.7	13.4	34	33	34	44
1973	25.2	26.7	28.2	42.9	11.6	12.3	15.1	22.7	13.6	14.4	13.1	20.2	46	46	54	53
1974	51.5	53.2	52.8	49.0	24.2	22.3	16.9	15.4	27.3	30.9	35.9	33.6	47	42	32	31
1975	47.4	47.4	47.4	46.1	16.1	16.1	14.5	12.5	31.3	31.3	32.9	33.6	34	34	31	27
1976	44.7	43.9	43.0	41.1	10.5	10.2	10.0	9.4	34.2	33.7	33.0	31.7	23	23	23	23
1977	40.1	39.5			9.9	10.4			30.2	29.1			25	26		

¹Payments to farmers for equivalent quantities of rough rice (gross farm value) minus imputed value of by-products obtained in processing.

Source: National Economic Analysis Division, ERS.

allotment acres, not in excess of planted acreage. Target price payments will be the difference between the target price and the higher of (1) national weighted average market price for the first 5 months of the marketing year, and (2) the loan rate.

There may be a set aside (not to exceed 30 percent of the farm allotment) if it is determined that supplies will be excessive. If a set aside is in effect, it must be devoted to approved vegetative cover. Land diversion payments may be made for acreage diverted in addition to required set aside.

WORLD RICE SITUATION¹

1977/78 World Crop Up from Last Year²

The 1977/78 world rice crop is projected at about 349 million metric tons,³ up 3 percent from last year and nearly equal to 1975's record harvest (table 14). The recovery from last year's slump is due

¹Based on FAS, *World Grain Situation: 1977/78 Crop and Trade Developments*, FG-18-77, September 20, 1977.

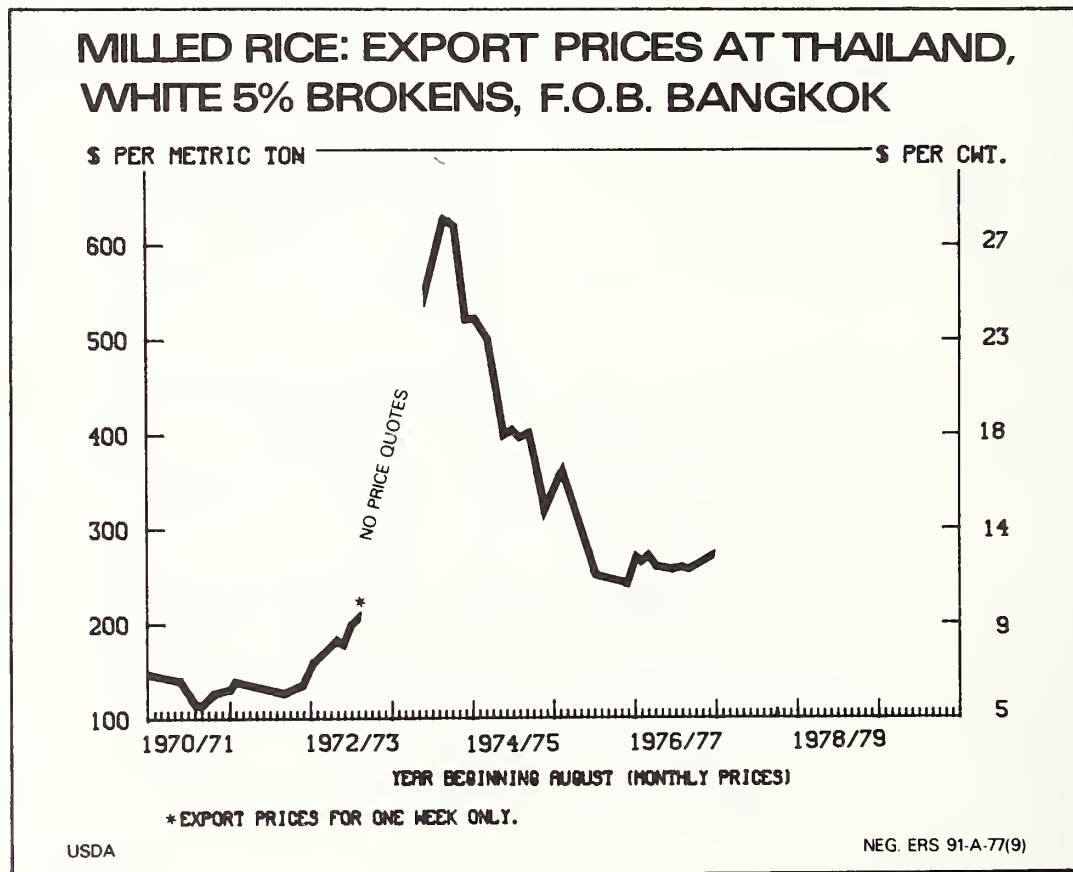
²Rough rice is reported for production but milled is reported for stocks and trade. 1977/78 rice production represents the crops harvested in the last half of 1977 and early 1978 in the Northern Hemisphere, and the crop harvested early in 1978 in the Southern Hemisphere. Trade is on a calendar year basis.

³Chances are 2 out of 3 that the final production estimate will not differ by more than 2 percent.

mainly to good Asian monsoons. Around three-fifths of the world's rice production comes from the People's Republic of China (PRC), India, and Indonesia where 1977 harvests are expected to show increases. Increased crops are also expected for Bangladesh, Burma, Japan, South Korea, Pakistan, and Brazil, which together account for nearly a fifth of world output. The only major exporters anticipating smaller crops are the United States and Thailand. Drought conditions persist in Laos, Cambodia, and Vietnam.

Rice Situation in Major Countries

The PRC's 1977 rice crop is projected at 120 million tons, up two percent. Spring drought, followed



by torrential rains in the large producing provinces, left the early crop outlook about equal to last year. The late crop, which represents about 60 percent of total production, appears in excellent condition.

India's 1977 production is projected at 69 million tons, 6 percent above last year's depressed crop. This season's monsoon performance compares favorably with 1975 when a record rice crop of 14 million metric tons was harvested.

Indonesia's 1977 rice harvest is projected at a record 24 million tons, up 4 percent over last year. Harvested area is estimated at around 9 million hectares, about 250,000 hectares above last year.

Japan's 1977 rice harvest is projected at 15 million tons, up 4 percent. Growing conditions have been about normal with no major losses from typhoons as occurred in September 1976. This year the producer support price was raised 17 percent to about \$1,100 a metric ton (brown rice basis). While domestic consumption is declining, stocks are projected to be up an additional 600,000 tons to 4 million tons by the end of 1977/78 (Nov.-Oct.), the highest level since the 1971/72 marketing year. This has spurred efforts to increase rice consumption.

Thailand's rice transplanting, which was delayed by drought in June and early July, is expected to cut the 1977 total crop about 3 percent from last season's 15.5 million tons. Thailand's 1977 rice exports are estimated at a record 2.2 million tons, but exports in 1978 may be down sharply due to reduced supplies.

Brazil's 1977 rice harvest is projected at 7.5 million tons, up 4 percent. Producers are expected to plant less rice this season than earlier expected since the increase in the annual price support was well below the requested amount. Expected increased rice consumption, reduced stock levels, and decreased production prospects are likely to result in 1978 exports of less than 50,000 tons as compared to the record high estimated for 1977 of 400,000 tons.

South Korea's 1977 rice harvest is projected at 7.3 million tons, up 1 percent from last year and another new record. Even if conditions were to fall off before harvest, imports in 1978 will probably not be needed due to record stocks.

Bangladesh's 1977 rice harvest is projected at 18 million tons, up 2 percent from last year. Heavy monsoon rains in July caused flooding to crops in some areas, but the rice crop suffered little damage.

Sri Lanka is expected to harvest a record 1.7-million-ton crop for 1977/78 after two successive drought years. Rice imports in 1977 will total about

500,000 tons but will likely sink to less than 300,000 tons in 1978. Imports in 1978 will be met almost entirely by traditional agreements with the PRC.

World Rice Trade in 1978 May Be Down; Ending Stocks May Rise⁴

Calendar 1978 world rice trade is projected to be down about 7 percent from this year's 8.5 million tons. On the export side, Thailand and Pakistan are expected to account for the reduction. Import demand is expected to be down in South Korea, Malaysia, and Sri Lanka, largely because of improved domestic supplies.

World ending rice stock levels for 1977/78 are expected to increase slightly after last season's decline. Larger ending stocks are expected in Japan, Philippines, Bangladesh, and South Korea, while stocks in the U.S., Thailand, Pakistan, Italy, West Malaysia, and Brazil should be lower.

Rice export prices for Thailand and the United States

Year and months	Bangkok, f.o.b. white 5% broken	U.S. No. 2 long grain f.o.b. mill Houston
<i>Dollars per metric ton</i>		
Crop year		
1973/74	583	700
1974/75	423	486
1975/76	287	405
1976/77	260	330
1976		
August	243	342
September	266	320
1977		
August	275	354
September	¹ 275	364

¹ Three week average.

Note: This table indicates the direction of U.S. and Thailand rice prices since 1973, but should not be taken to imply that the types of rice specified above are of comparable quality.

World Rice Prices Increasing

After nearly 3 years of decline, world prices have begun to move up. Prices are about 10 percent higher than last spring, reflecting increased import purchases and reduced exportable supplies in major exporting countries (table 16). U.S. prices relative to Thai prices have edged down.

⁴Includes major producing countries, except Burma and PRC. Data based on an aggregate of different marketing years and should not be construed as representing world stock levels at a fixed point in time.

YOU'RE INVITED

Don't miss the U.S. Department of Agriculture's Food and Agricultural Outlook Conference, November 14-17, in Washington, D.C.

You're invited to attend and actively participate in this year's proceedings which have been restructured to allow more time for questions and answers. So be there and join in when we preview the 1978 outlook for agriculture with leading authorities who will help you size up next year's uncertainties.

You'll benefit from the latest thinking in outlook sessions on the U.S. agricultural and general economies, world trade, weather, retail food supplies and prices, implications of new farm and food policy, farm inputs, food marketing and distribution, and the major farm commodities, including food grains. This year, there will also be sessions on how outlook information is derived, and on natural resources and the environment.

For a complete schedule of the Conference, call (202) 447-7255 or write: U.S. Department of Agriculture, ERS-Division of Information, Room 0054, South building, Washington, D.C. 20250.

TABLE 2.--ROUGH RICE: MARKETING YEAR SUPPLY AND DISAPPEARANCE, 1972-76 1/

[illegible]

1/ INCLUDES SUPPLY AND DISAPPEARANCE OF ROUGH RICE ONLY. 2/ RESULTS FROM STORAGE, HANDLING AND PROCESSING LOSSES.
3/ PRELIMINARY.

TABLE 3.--MILLED RICE: MARKETING YEAR SUPPLY AND DISAPPEARANCE, 1972-76 1/

YEAR BEGINNING AUG. 1	SUPPLY			DISAPPEARANCE							ENDING STOCKS JULY 31	PER CAPITA CIVILIAN CONSUMPTION	
	BEGINNING STOCKS	PRODUCTION	IMPORTS	TOTAL	CIVILIAN CONSUMPTION	MILITARY SHIPMENTS TO TERRITORIES	FOOD USE	INDUSTRIAL USE	EXPORTS	TOTAL DISAPPEARANCE			
							1,000 CWT.						LBS.
1972/73	2,196	62,325	381	64,902	14,506	151	3,630	18,287	5,585	39,424	63,296	1,606	7.0
1973/74	1,606	61,569	117	63,312	15,891	162	2,736	18,789	5,875	35,845	60,509	2,803	7.5
1974/75	2,803	75,965	23	78,791	16,115	164	4,319	20,598	6,015	50,014	75,627	2,164	7.7
1975/76	2,164	67,440	31	69,635	15,298	151	4,130	19,569	6,301	39,793	65,743	3,892	7.2
1976/77 3/	3,892	76,209	36	80,137	16,218	160	4,597	20,975	7,449	46,557	74,981	5,156	7.6

1/ INCLUDES SUPPLY AND DISAPPEARANCE OF MILLED RICE ONLY. 2/ BASED ON BUREAU OF CENSUS REPORTS. 3/ PRELIMINARY.

Table 4.--Rice, rough equivalent: CCC operations and privately held stocks, 1965-76

Crop of-	Placed under price support				Delivered to CCC 1/	At year end July 31				
	Loans	Direct purchases 1/	Total	Total carry-over		CCC stocks and loans outstanding				Privately held ("Free") stocks 3/
						owned by CCC 2/	Under loan 2/	Total		
					1,000 cwt.					
1965	9,813	184	9,997	403	8,239	614	7	621	7,618	
1966	14,362	5	14,367	119	8,511	140	92	232	8,279	
1967	16,352	2	16,354	39	6,784	82	4	86	6,698	
1968	23,640	640	24,280	6,320	16,211	6,087	238	6,325	9,886	
1969	22,671	1,841	24,512	2,993	16,446	6,407	10	6,417	10,029	
1970	20,787	733	21,520	3,528	18,634	9,329	138	9,467	9,167	
1971	31,235	107	31,342	1,214	11,434	2,720	27	2,747	8,687	
1972	22,926	---	22,926	1	5,139	148	---	148	4,991	
1973	19,146	---	19,146	---	7,842	---	---	---	7,842	
1974	9,256	---	9,256	---	7,057	---	4	4	7,053	
1975 4/	21,477	1,781	23,258	19,187	36,877	19,187	---	19,187	17,690	
1976 4/	23,425	608	24,033	8	39,684	18,610	5/111	18,721	20,963	

1/ Includes purchase agreements through 1963 marketing year and direct purchases thereafter.

2/ May include small quantities of new-crop rice in last few years.

3/ Derived by subtracting CCC stocks and loans outstanding from total carryover.

4/ Based on operating reports, prior years based on fiscal reports.

5/ Under current loan 64,000 cwt.; under resale 47,000 cwt.

Table 5.--Rice, rough: Acreage, yield and production, by States, 1976 and 1977

State	Acreage				Yield per		Production	
	Planted		Harvested		harvested acre			
	1976	1977 <u>1/</u>	1976	1977 <u>1/</u>	1976	1977 <u>1/</u>	1976	1977 <u>1/</u>
	<u>1,000 acres</u>				<u>Pounds</u>		<u>1,000 cwt.</u>	
Arkansas	850.0	800.0	847.0	797.0	4,770	4,700	40,362	37,459
California	421.0	345.0	420.0	342.0	5,570	5,400	23,388	18,468
Louisiana	570.0	480.0	568.0	478.0	3,910	3,700	22,203	17,686
Mississippi	145.0	105.0	144.0	104.0	4,200	4,350	6,048	4,524
Missouri	14.0	13.0	14.0	13.0	4,200	4,400	588	572
Texas	510.0	470.0	508.0	468.0	4,810	4,600	24,430	21,528
Total United States <u>2/</u>	2,510.0	2,213.0	2,501.0	2,202.0	4,679	4,552	117,019	100,237

1/ Preliminary.

^{2/} Total U.S. acreage and production reported by the Statistical Reporting Service. Excludes acreage and production in the minor Southern States.

Table 6.--Rice: Stocks, rough and milled, United States, for selected dates, 1973-77 ^{1/}

Year	Rough					Milled				
	On farms or in farm warehouses	At mills and in attached warehouses	In warehouses (not attached to mills)	In ports or in transit	Total all positions	At mills and in attached warehouses	In warehouses (not attached to mills)	In ports or in transit	Total all positions	
	1,000 cwt.					1,000 cwt.				
	January 1					January 1				
1973	4,714	13,703	30,427	---	48,844	1,787	426	2,086	4,299	
1974	7,732	13,651	30,783	1	52,167	2,650	127	1,117	3,894	
1975	13,619	15,177	39,769	160	68,725	2,959	634	699	4,292	
1976 ^{2/}	24,634	14,597	51,736	---	90,967	2,259	1,522	785	4,566	
1977 ^{2/}	21,134	16,830	61,263	1,049	100,276	2,971	261	1,111	4,343	
	April 1					April 1				
1973	1,476	9,142	13,638	11	24,267	3,479	52	1,354	4,885	
1974	1,537	10,048	15,113	14	26,712	2,459	12	2,783	5,254	
1975	2,919	10,579	20,823	24	34,345	2,961	22	1,286	4,269	
1976 ^{2/}	12,767	11,717	38,697	67	63,248	3,232	245	1,626	5,103	
1977 ^{2/}	6,850	15,326	45,266	1,022	68,464	3,161	260	2,265	5,686	
	August 1					August 1				
1973	94	1,931	914	---	2,939	1,389	21	196	1,606	
1974	77	2,589	1,278	10	3,954	2,258	22	523	2,803	
1975	62	1,455	2,462	70	4,049	1,589	58	517	2,164	
1976 ^{2/}	659	5,850	24,829	9	31,347	2,380	271	1,241	3,892	
1977 ^{2/}	740	6,718	24,173	903	32,534	3,321	134	1,701	5,156	

^{1/} These estimates do not include stocks located in States outside the major producing States of Missouri, Mississippi, Arkansas, Louisiana, Texas, and California.

^{2/} Preliminary.

Table 7.--Rice, U.S.: Rough milled, total milled production and yields, 1965-76

Year beginning August	Rough milled	Total milled produced ^{1/}	Milling yields	Total heads produced ^{1/}	Milling yields
			Pounds per cwt.		Pounds per cwt.
	1,000 cwt.			1,000 cwt.	
1965	70,594.6	50,377.3	71.36	42,862.2	60.72
1966	80,209.8	58,381.6	72.79	49,903.2	62.22
1967	88,115.7	64,079.7	72.72	54,405.5	61.74
1968	89,086.4	65,240.1	73.23	55,771.2	62.60
1969	86,544.3	62,349.6	72.04	53,138.3	61.40
1970	77,325.6	56,870.0	73.55	49,533.4	64.06
1971	87,924.6	64,148.2	72.96	55,346.8	62.95
1972	85,389.0	62,325.3	72.99	53,880.3	63.10
1973	85,439.8	61,588.8	72.08	52,689.8	61.67
1974	105,626.1	75,965.2	71.92	64,639.9	61.20
1975	95,818.0	67,440.5	70.38	57,597.6	60.11
1976 ^{2/}	105,685.5	76,208.5	72.11	63,900.4	60.46

^{1/} Includes brown rice.

^{2/} Preliminary.

Based on reports from the Rice Millers Association and San Francisco Rice Market News.

Table 8.--Rice: Value factors for computing support rates,
and U.S. average loan rate, 1973-77 1/

Group and variety	: : 1973	: : 1974	: : 1975	: : 1976	: : 1977
	: :	: :	: :	: :	: :
	: -	: -	: -	: -	: -
	: -	: -	: -	: -	: -
	: -	: -	: -	: -	: -
National average loan rate:	6.07	7.54	8.52	6.19	6.19
Head rice, whole kernels	:	:	:	:	:
Long	10.33	12.64	14.41	10.75	10.90
Medium	9.58	11.89	13.16	9.25	9.40
Short	9.58	11.89	13.16	9.25	9.40
Broken rice, all classes	5.03	6.00	6.30	4.75	4.70
<u>Premiums and Discounts</u>	:	:	:	:	:
<u>by Grades</u>	:	:	:	:	:
U.S. No. 1	+ .10	+ .05	+ .05	+ .05	+ .05
2	0	0	0	0	0
3	- .15	- .15	- .15	- .15	- .15
4	- .30	- .30	- .30	- .30	- .30
5	- .50	- .50	- .50	- .50	- .50

1/ The method of computing 1973-77-crop rough rice basic support rates is the same as that used in prior rice programs except that under the new rice standards, rice is classified by size and shape of kernel rather than variety. The basic support rates are applicable to No. 2 rice and will be adjusted by the above premium and discounts for U.S. grades per lbs. A further discount for location, to adjust for transportation costs of moving the rough rice to an area where competitive milling facilities are available will also be made for rice produced in certain areas.

Agricultural Stabilization and Conservation Service.

Table 9.--Rice, rough: Price per 100 pounds received by farmers,
by States and United States, 1972-77

Year	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Season average
													1/
	- - - - Dollars - - - -												
	Arkansas												
1972	5.70	6.70	7.20	7.60	8.20	8.50	8.50	8.50	8.50	8.80	8.80	2/	7.20
1973	2/	13.70	15.30	16.00	16.00	16.00	18.00	18.50	16.50	17.00	17.50	2/	15.30
1974	10.55	11.15	11.50	11.75	10.90	11.50	11.75	12.00	11.75	11.75	11.75	2/	11.40
1975	9.05	8.95	8.70	8.60	8.60	8.25	7.50	7.50	7.45	7.45	7.45	7.45	8.54
1976	3/	6.19											
	Louisiana												
1972	5.20	6.00	6.80	7.30	7.60	8.00	8.20	8.40	8.80	8.80	2/	2/	6.40
1973	10.80	12.30	13.30	16.80	14.80	15.50	16.00	16.10	14.10	2/	2/	11.50	13.45
1974	10.65	10.55	11.05	11.70	11.50	10.75	11.20	10.90	10.65	10.65	10.65	10.00	11.00
1975	9.70	9.30	9.00	8.60	8.40	8.10	7.70	5.80	7.10	8.00	6.65	2/	8.38
1976	3/	6.11											
	Mississippi												
1972	5.50	5.50	6.00	6.80	7.10	7.50	7.80	7.80	7.60	7.60	8.50	9.00	7.00
1973	2/	2/	14.50	18.00	17.50	16.50	18.00	18.00	14.00	2/	2/	2/	17.20
1974	2/	10.10	10.45	10.55	9.90	10.00	10.20	10.45	10.00	10.00	2/	2/	10.20
1975	9.50	9.10	8.60	8.75	8.80	8.85	8.80	6.30	7.40	7.30	2/	2/	8.42
1976	3/	6.03											
	Texas												
1972	5.50	6.20	6.90	7.10	7.50	7.50	8.00	8.20	8.50	8.50	8.70	11.00	6.44
1973	11.00	13.70	14.90	16.60	15.60	15.80	16.70	16.70	17.00	17.50	17.50	12.00	14.80
1974	9.80	10.60	11.20	11.80	11.00	10.55	11.35	10.75	11.00	11.00	11.00	2/	10.90
1975	10.10	9.80	9.55	8.50	8.20	7.00	6.85	5.15	6.95	6.25	6.00	2/	8.81
1976	3/	7.03											
	United States 4/												
1972	5.34	6.37	7.05	7.42	7.64	7.84	8.14	8.26	8.51	8.56	8.74	10.80	6.73
1973	10.90	13.30	14.80	16.70	15.50	15.80	16.90	17.20	15.90	17.20	17.50	11.90	13.80
1974	10.20	10.90	11.30	11.60	10.90	10.80	11.30	11.10	11.00	11.10	11.20	10.00	11.20
1975	9.83	9.19	8.87	8.59	8.51	7.95	7.54	6.17	7.15	7.06	6.82	7.45	8.34
1976	6.65	6.56	6.48	6.46	6.57	6.79	6.87	6.81	6.95	7.30	7.24	6.87	6.63
1977	8.02	5/7.82											

1/ State and U.S. season average prices include an allowance for unredeemed loans and purchases by the Government, valued at the average loan rate, by States. Monthly prices do not include this allowance.

2/ Insufficient sales.

3/ Statistical Reporting Service discontinued reporting monthly rice prices by State.

4/ California is excluded in the monthly averages but is included in the U.S. season average.

5/ Preliminary.

Table 10.--Rice, milled U.S. No. 2 f.o.b. mills: Average price of Texas and Arkansas head rice at milling centers, by months, 1973-77

[illegible]

1/ Preliminary.	2/ Mostly Nato.	3/ No quote.

Agricultural Marketing Service, Grain Division.

Table 11.--Rice, milled U.S. f.o.b. mills: Average price of Louisiana and California head rice at milling centers, by months, 1973-77

Year	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Average
- - - - Dollars per cwt. bagged - - - -													
Southwest Louisiana, Long Grain 1/													
1973	20.20	24.90	28.35	33.00	33.00	33.50	33.50	33.50	33.50	33.50	30.00	28.10	30.40
1974	26.67	20.10	20.19	21.00	22.00	21.50	21.50	21.50	21.50	20.00	20.90	21.50	21.55
1975	20.55	18.30	18.00	18.00	17.60	17.40	16.50	15.50	15.30	16.60	16.50	16.25	17.20
1976	14.70	13.85	14.00	13.75	13.60	13.25	13.50	13.95	15.65	16.45	16.25	16.25	14.60
1977 2/	15.95	16.20											
Southwest Louisiana, Medium Grain 1/													
1973	17.10	19.60	22.65	29.50	29.85	30.00	30.00	30.00	30.00	30.00	25.00	23.00	26.40
1974	22.00	18.60	19.10	20.00	20.70	20.65	20.75	20.50	20.50	19.00	19.30	19.50	20.05
1975	18.90	16.80	16.75	17.00	16.70	15.60	14.75	13.50	13.95	15.50	15.50	15.25	15.85
1976	13.70	12.85	13.00	12.30	11.90	11.25	11.70	12.20	14.10	15.60	15.50	15.25	13.30
1977 2/	14.60	14.95											
California, Medium Grain 3/													
1973	13.00	16.75	18.50	24.00	27.50	27.50	27.50	29.50	29.50	29.50	29.50	29.50	25.20
1974	29.50	28.20	26.25	26.25	26.25	26.25	26.25	26.25	26.25	26.25	26.25	26.25	26.70
1975	26.25	26.25	24.25	24.25	24.25	23.50	22.70	19.65	18.70	19.00	19.00	16.80	22.05
1976	16.80	16.80	16.60	16.60	16.60	16.60	16.60	16.60	16.60	17.00	17.30	17.40	16.80
1977 2/	17.40	17.40											
California, Short Grain 3/													
1973	13.00	16.75	18.50	22.25	26.00	26.00	28.00	28.00	28.00	28.00	28.00	28.00	24.20
1974	28.00	26.80	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.40
1975	25.00	25.00	23.00	23.00	23.00	22.25	21.40	17.85	17.15	17.50	17.50	15.15	20.65
1976	15.15	15.15	14.85	14.75	14.75	14.75	14.75	14.75	14.95	15.50	16.05	16.25	15.15
1977 2/	16.25	16.25											

1/ U.S. No. 2--broken not to exceed 4 percent. 2/ Preliminary. 3/ U.S. No. 1.

Agricultural Marketing Service, Grain Division.

Table 12.--Rice: Retail prices in leading cities of the United States,
August-July, 1967-77

Crop year	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Simple average
- - - - Dollars per pound - - - -													
Long grain													
1967	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22
1968	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22
1969	.23	.23	.23	.23	.23	.23	.23	.23	.23	.23	.23	.23	.23
1970	.23	.23	.23	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24
1971	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24	.24
1972	.24	.24	.24	.24	.24	.25	.25	.26	.26	.27	.27	.28	.25
1973	.28	.30	.34	.46	.49	.50	.52	.52	.53	.53	.54	.53	.46
1974	.53	.52	.51	.49	.48	.47	.47	.48	.47	.47	.47	.47	.49
1975	.47	.47	.46	.46	.46	.45	.45	.44	.44	.44	.44	.44	.45
1976	.43	.42	.42	.41	.41	.41	.40	.40	.40	.39	.40	.40	.41
1977	.40												
Short grain													
1967	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19
1968	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19
1969	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19	.19
1970	.19	.19	.19	.19	.19	.19	.20	.20	.20	.20	.20	.20	.20
1971	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20
1972	.20	.20	.20	.20	.20	.20	.21	.22	.23	.23	.24	.24	.21
1973	.24	.25	.28	.37	.41	.42	.43	.44	.45	.45	.45	.45	.39
1974	.44	.45	.44	.42	.42	.41	.42	.41	.41	.41	.41	.40	.42
1975	.41	.41	.41	.41	.41	.40	.38	.38	.38	.38	.38	.38	.39
1976	.37	.37	.37	.37	.36	.36	.35	.35	.35	.35	.35	.35	.36
1977	.35												

Compiled from reports of Bureau of Labor Statistics, Department of Labor.

Table 13.--Prices: Arkansas brewers rice and New York brewers corn grits,
August-July 1975-77

Month	Arkansas brewers rice			New York brewers corn grits		
	1975/76	1976/77	1977/78	1975/76	1976/77	1977/78
- - - - Dollars per cwt. - - - -						
August	7.10	5.75	5.50	9.88	8.97	7.06
September	7.40	5.75		9.77	8.91	
October	7.50	5.75		8.77	8.28	
November	6.60	5.75		8.28	7.62	
December	6.20	5.65		8.17	7.80	
January	6.25	5.40		7.94	7.80	
February	5.75	5.10		8.04	7.92	
March	5.80	5.10		8.46	8.05	
April	5.80	5.60		8.76	8.02	
May	5.85	6.00		8.95	7.72	
June	5.85	6.00		9.14	7.59	
July	5.75	5.50		9.20	7.11	
August-July average	6.30	5.60		8.78	7.98	

Source: Rice Market News and Milling and Baking News.

Table 14.--Rice: World trade, production and stocks for 1974/75, 1975/76, 1976/77, and projected levels for 1977-78 1/

Country or region	Calendar years			
				1978 estimate
	1975	1976	1977	as of
				September 19
	- - - Million metric tons - - -			
<u>Exports</u>				
Australia	0.2	0.2	0.3	0.3
Burma	0.3	0.6	0.6	0.6
Italy	0.5	0.4	0.3	0.5
Pakistan	0.4	0.9	0.9	0.8
PRC	1.4	0.9	0.5	0.5
Thailand	1.0	1.9	2.2	1.4
All others	1.3	1.3	1.4	1.5
Total non-U.S.	5.1	6.3	6.3	5.7
USA	2.1	2.0	2.2	2.2
World total	7.2	8.3	8.5	7.9
<u>Imports</u>				
Bangladesh	0.4	0.3	0.4	0.4
EC-9	0.6	0.9	0.8	0.7
Hong Kong	0.3	0.3	0.4	0.3
Indonesia	0.7	1.3	1.5	1.6
Iran	0.4	0.3	0.5	0.5
Korea, Rep. of	0.4	0.2	0.1	0.0
Malaysia, West	0.1	0.2	0.3	0.2
Philippines	0.1	0.1	0.0	0.0
Singapore	0.1	0.2	0.2	0.2
Sri Lanka	0.4	0.4	0.5	0.3
All others	3.6	4.2	3.9	3.5
World total	7.2	8.3	8.5	7.9
	1974/75	1975/76	1976/77	1977/78 estimate
				as of
				September 19
	- - - Million metric tons - - -			
<u>Production 2/</u>				
Bangladesh	17.1	19.2	17.7	18.0
Burma	8.6	9.2	9.3	9.5
India	59.4	74.3	65.3	69.1
Indonesia	22.5	22.3	22.7	23.5
Japan	15.4	16.5	14.7	15.2
Korea, Rep. of	6.2	6.5	7.2	7.3
Pakistan	3.5	3.9	3.9	4.0
PRC	120.0	119.0	118.0	120.0
Thailand	14.5	15.2	15.5	15.0
Subtotal	267.0	286.0	274.5	281.6
EC-9	1.1	1.0	0.9	1.1
Australia	0.4	0.4	0.5	0.5
Argentina	0.4	0.3	0.3	0.3
Brazil	7.0	8.5	7.2	7.5
All others	49.0	51.3	51.0	53.3
Total non-U.S.	324.9	347.7	334.4	344.4
USA	5.1	5.8	5.3	4.5
World total	330.0	353.5	339.7	349.0
<u>Ending Stocks 3/</u>				
Total foreign	11.7	16.8	14.3	15.1
USA	0.2	1.2	1.3	1.0
World total	12.0	18.0	15.7	16.2

1/ Production is on rough basis; trade and stocks are listed as milled. 2/ The world rice harvest stretches over 6-8 months. Thus, 1976/77 production represents the crop harvested in late 1976 and early 1977 in the Northern Hemisphere and the crop harvested in early 1977 in the Southern Hemisphere. 3/ Stocks data are based on an aggregate of different local marketing years and should not be construed as representing world stock levels at a fixed point in time. Stocks data are not available for all countries and exclude those such as Burma and the People's Republic of China.

Table 15.--Rice, milled: U.S. exports by destination
August-July, 1971/72 - 1976/77 1/

Destination	1971/72	1972/73	1973/74	1974/75	1975/76	1976/77
	- - - 1,000 metric tons - - -					
<u>Western Hemisphere</u>						
Bahamas	5	5	9	5	5	5
Canada	62	65	81	61	74	74
Honduras	2/	2/	1	11	1	2/
Other	40	57	112	18	45	72
Total	107	127	203	95	125	151
<u>Western Europe</u>						
EC-9	105	169	161	129	233	220
Sweden	4	5	10	6	6	9
Switzerland	13	12	14	13	16	47
Other	2	5	25	3	72	73
Total	124	191	210	151	327	349
<u>Eastern Europe</u>						
Poland	---	---	17	20	9	3
Other	---	---	---	---	---	---
Total	---	---	17	20	9	3
<u>USSR</u>	---	---	---	10	63	55
<u>Asia</u>						
Bangladesh	75	4	2/	295	241	21
India	105	2/	---	2/	86	10
Indonesia	354	173	60	42	42	409
Iran	19	34	42	451	163	457
Iraq	---	---	9	110	81	37
Japan	2/	2/	23	19	11	1
Khmer, Rep. (Cambodia)	---	71	205	175	---	---
Korea, Rep. of	495	471	121	499	180	75
Pakistan	109	2/	2/	4	2/	2/
Saudi Arabia	82	57	94	72	132	72
Vietnam, South	146	360	301	---	---	---
Other	24	122	114	106	62	78
Total	1,409	1,292	969	1,773	998	1,160
<u>Africa</u>						
Guinea	18	1	1	17	12	13
Liberia	37	29	28	23	26	52
South Africa, Rep. of	82	83	86	65	95	96
Tanzania	2/	---	---	31	---	18
Other	21	57	80	17	84	200
Total	158	170	195	153	217	379
<u>Oceania</u>						
Trust Terr. Pac. Is.	3	4	9	2	2	4
Other	6	4	5	2	3	4
Total	9	8	14	4	5	8
<u>World total</u>	1,807	1,788	1,608	2,206	1,744	2,105

1/ Includes all milled rice exports plus brown rice and rough rice exports on a milled equivalent basis.

2/ Less than 500 metric tons.

Source: Foreign Agricultural Service.

Table 16.--Rice: Export prices at Thailand by months, white f.o.b. Bangkok, 1973-77 $\frac{1}{2}$

[illegible]

1/ Milled rice, includes export premium, export tax and cost of bags. Packed in bags of 100 kgs. net.

2/ Preliminary.

3/ Three week average.

AMS. Grain Division, from weekly Bulletins of San Francisco Market News.

Table 17.--Rice, rough: Acreage, yield and production in specified countries, average 1971-75, annual 1976 and 1977 1/

CONTINENT AND COUNTRY	2/ AREA		3/ 1977	AVE. 1971-75 MET TONS PER HECT	YIELD 1976 MET TONS PER HECT	3/ 1977 MET TONS PER HECT	PRODUCTION		3/ 1977
	AVE. 1971-75 THOUSAND HA	1976 THOUSAND HA					AVE. 1971-75 THOUSAND MT	1976 THOUSAND MT	
NORTH AMERICA:									
COSTA RICA	60	42	80	1.90	1.60	1.56	114	67	125
CUBA	194	220	220	2.31	2.45	2.45	448	538	538
DOMINICAN REPUBLIC	68	66	67	3.22	4.15	4.21	219	274	282
EL SALVADOR	13	14	14	3.72	2.50	3.64	48	35	51
GUATEMALA	22	24	24	2.38	1.38	1.46	53	33	35
HAITI	76	76	76	1.10	.86	1.12	83	65	85
HONDURAS	13	16	18	1.78	1.56	1.78	24	25	32
JAMAICA AND OEP	2	4	4	.82	1.75	1.25	2	3	5
MEXICO	175	155	180	2.78	3.19	3.33	486	495	600
NICARAGUA	30	27	35	2.97	2.41	2.71	89	65	94
PANAMA	107	115	115	1.47	1.22	1.43	157	140	165
TRINIDAD-TOBAGO	6	9	7	2.09	2.33	2.86	13	21	20
UNITED STATES	902	985	892	5.07	5.39	5.12	4,575	5,307	4,567
TOTAL	1,668	1,753	1,732	3.78	4.03	3.81	6,310	7,068	6,580
SOUTH AMERICA:									
ARGENTINA	84	92	92	3.65	3.59	3.60	306	330	331
BOLIVIA	50	65	65	1.54	1.38	1.38	77	90	90
BRAZIL	5,066	5,400	5,200	1.37	1.33	1.44	6,949	7,200	7,500
CHILE	22	36	32	3.13	3.33	2.97	68	120	95
COLOMBIA	309	366	341	4.06	4.23	4.16	1,255	1,549	1,417
ECUADOR	94	125	98	2.41	2.32	1.96	227	290	192
GUAYANA	102	97	136	1.99	1.63	2.45	202	158	333
PARAGUAY	21	25	25	2.13	2.20	2.20	44	55	54
PERU	124	122	125	4.04	4.40	4.78	501	537	597
SURINAM	43	48	48	3.56	3.56	3.65	151	171	175
URUGUAY	42	56	56	3.98	4.14	4.48	166	232	251
VENEZUELA	104	93	152	2.37	2.98	3.10	277	471	471
TOTAL	6,060	6,525	6,370	1.68	1.69	1.81	10,196	11,009	11,507
EUROPE:									
FRANCE	16	9	11	3.37	3.44	3.64	55	31	40
ITALY	182	182	190	5.21	4.98	5.60	949	907	1,064
TOTAL EC	198	191	201	5.06	4.91	5.49	1,003	938	1,104
GREECE	17	19	18	5.13	4.42	4.78	89	84	86
PORTUGAL	37	22	32	4.04	4.05	4.38	151	89	140
SPAIN	61	64	64	6.05	6.11	6.11	368	391	391
TOTAL WESTERN EUROPE	314	296	315	5.13	5.07	5.46	1,611	1,502	1,721
BULGARIA	16	16	16	4.04	4.38	4.38	64	70	70
HUNGARY	27	27	27	7.36	2.52	2.81	64	68	670
ROMANIA	25	17	17	2.29	1.88	2.35	32	32	30
YUGOSLAVIA	8	8	8	4.32	4.75	4.75	33	38	34
TOTAL EASTERN EUROPE	75	68	68	2.89	3.06	12.03	217	208	818
TOTAL EUROPE	389	364	383	4.70	4.70	6.63	1,828	1,710	2,539
U.S.S.R. (EUROPE AND ASIA)	454	524	524	3.86	3.82	4.01	1,753	2,000	2,100
AFRICA:									
ALGERIA	2	2	2	3.00	3.00	3.00	6	6	6
ANGOLA	21	20	20	1.22	1.25	1.25	25	25	25
CHAD	53	52	52	.63	.58	.60	33	30	31
EGYPT	460	453	484	5.27	5.08	5.20	2,426	2,300	2,519
GAMBIA	30	32	32	1.76	1.88	1.88	54	60	60
GHANA	68	81	80	1.04	.79	.75	71	64	60
GUINEA	516	710	710	.74	.56	.56	384	400	400
GUINEA-BISSAU	34	38	38	.95	.84	.92	33	32	35
IVORY COAST	325	470	470	1.16	1.15	1.15	379	540	540
LIBERIA	200	220	220	.96	1.04	1.04	193	229	229
MALAGASY REPUBLIC	1,012	1,050	1,050	1.82	1.67	1.79	1,837	1,750	1,875
MALI	150	140	140	.80	.93	.93	120	130	130
MOROCCO	4	5	5	5.10	5.40	6.00	20	27	36
MOZAMBIQUE	73	65	65	1.47	1.05	1.08	108	68	70
NIGERIA	281	310	310	1.83	1.96	2.13	513	609	660
SENEGAL	79	120	120	1.23	1.44	1.50	98	173	180
SIERRA LEONE	338	347	347	1.46	1.52	1.53	493	524	530
TANZANIA	144	213	213	1.75	1.88	1.88	253	400	400
UPPER VOLTA	39	42	42	.90	.95	.95	35	40	40
ZAIRE	291	365	370	.77	.80	.87	225	291	323
TOTAL	4,121	4,735	4,771	1.77	1.63	1.71	7,304	7,702	8,149
ASIA:									
AFGHANISTAN	206	210	210	1.92	2.18	2.19	396	457	460
BANGLADESH	9,771	10,074	10,250	1.72	1.76	1.76	16,810	17,715	18,018
BURMA	4,809	5,204	5,200	1.74	1.79	1.83	8,387	9,318	9,500
CAMBODIA	1,102	1,400	1,400	1.32	1.29	1.14	1,451	1,800	1,600
CHINA/PEOPLES REP	33,580	35,000	34,700	3.42	3.37	3.46	114,794	118,000	120,000
CHINA/REP OF (TAIWAN)	761	786	790	4.20	4.53	4.48	3,199	3,560	3,542
HONG KONG	4	5	5	2.37	2.00	2.00	9	10	10
INDIA	38,062	38,500	39,000	1.70	1.70	1.77	64,684	65,315	69,069
INDONESIA	8,326	8,364	8,628	2.54	2.72	2.73	21,169	22,721	23,529
IRAN	300	320	325	3.53	3.99	4.16	1,058	1,276	1,351
IRAQ	66	54	54	2.60	2.04	2.04	172	110	110
JAPAN	2,689	2,779	2,680	5.61	5.30	5.69	15,196	14,716	15,247
KOREA NORTH	707	740	740	4.72	5.00	5.00	3,340	3,700	3,700
KOREA/REP OF	1,197	1,215	1,220	4.94	5.96	5.99	5,912	7,243	7,313
LAOS	672	680	680	1.29	1.38	1.18	866	940	800
MALAYSIA (PENINSULAR)	575	578	599	2.92	2.79	2.93	1,675	1,611	1,754
NEPAL	1,225	1,261	1,265	1.99	1.89	2.11	2,433	2,384	2,670
PAKISTAN	1,553	1,692	1,710	2.30	2.16	2.32	3,572	3,660	3,967
PHILIPPINES	3,354	3,600	3,650	1.58	1.69	1.75	5,303	6,092	6,385
SABAH	48	50	50	2.39	2.50	2.50	114	125	125
SARAWAK	125	145	145	1.18	1.03	1.03	147	150	150
SAUDI ARABIA	1	1	1	3.00	3.00	3.00	3	3	3
SRI LANKA (CEYLON)	642	500	740	2.11	2.54	2.28	1,355	1,271	1,685
SYRIA	1	1	1	4.00	5.00	3.00	2	5	3
THAILAND	7,805	8,500	8,600	1.79	1.82	1.74	14,003	15,500	15,000
TURKEY	58	55	55	4.05	4.42	4.33	233	243	238
VIETNAM, SOC. REP.	3,354	5,310	5,310	2.15	2.17	2.17	7,220	4/11,500	4/11,500
VIETNAM, SOV.	1,638	-	-	2.35	-	-	3,854	-	-
TOTAL	122,628	127,024	128,008	2.42	2.44	2.48	297,255	309,425	317,729
OCEANIA:									
AUSTRALIA	61	92	93	5.81	5.76	5.59	354	530	520
TOTAL	61	92	93	5.81	5.76	5.59	354	530	520
WORLD TOTAL									
	135,380	141,017	141,881	2.40	2.41	2.46	325,000	339,444	349,124

1/ The world rice harvest stretches over 6-8 months. Thus, 1976 production represents the crop harvested in late 1976 and early 1977 in the Northern Hemisphere, with estimates for the crop to be harvested in early 1977 in the Southern Hemisphere. 2/ Harvested area as far as possible. 3/ Preliminary.
4/ Production has been combined for North and South Vietnam.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, reports of U.S. Agricultural Attaches and other foreign source materials.

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RICE

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Weights, Measures and Conversion Factors

Bushel weights:

Wheat & soybeans = 60 lbs.
Corn, sorghum & rye = 56 lbs.
Barley (grain) = 48 lbs.: malt = 34 lbs.
Oats = 32 lbs.

Bushels to metric tons:

Wheat & soybeans = bushels x .027216
Barley = bushels x .021772
Corn, sorghum, rye = bushels x .025400
Oats = bushels x .014515

1 Metric ton equals:

2204.622 lbs.
22.046 hundredweight
10 quintals

1,000 kilograms

36.7437 bushels wheat or soybeans
39.3679 bushels corn, sorghum, or rye
45.9296 bushels barley
68.8944 bushels oats

Area:

1 Acre = .404694 hectares
1 Hectare = 2.4710 acres

Yields:

Wheat = bushels per acre x 0.6725 = quintals per hectare
Rye, corn = bushels per acre x 0.6277 = quintals per hectare
Barley = bushels per acre x 0.5380 = quintals per hectare
Oats = bushels per acre x 0.3587 = quintals per hectare

Rice Factors

1 cwt. rough rice = .032659 metric ton milled
1 metric ton milled = 30.6198 cwt. rough

Milling rates

Rough to brown = 82%
Rough to milled = 72%

1 cwt. = 2.22 bushels = .617 barrels = .0453 metric tons
1 bu. = .45 cwt. = .277 barrels = .0204 metric tons
1 barrel = 3.6 bu. = 1.62 cwt. = .0734 metric tons
1 metric ton = 48.992 bu. = 13.609 barrels = 22.046 cwt.
bu. per acre x 0.5044 = quintals per hectare
lbs. per acre x 0.01121 = quintals per hectare